```
Set  Items  Description
---  -----  -----------
?s knowledge adj management
    S1    0  KNOWLEDGE ADJ MANAGEMENT
?s knopwleedge
    S2    0  KNOPWLEEDGE
?s knowledge
    S3 886725  KNOWLEDGE
?s reasoning
    S4 119553  REASONING
?s s4 and engine
        119553  S4
        378911  ENGINE
    S5   2406  S4 AND ENGINE
?s s5 and knowledge
          2406  S5
        886725  KNOWLEDGE
    S6   1441  S5 AND KNOWLEDGE
?s s6 and manage
          1441  S6
        181569  MANAGE
    S7     90  S6 AND MANAGE
?s s7 reasoning adj engine
>>>Term "REASONING" in invalid position
?s s7 and reasoning adj engine
          90  S7
           0  REASONING ADJ ENGINE
    S8     0  S7 AND REASONING ADJ ENGINE
?t s8/free
```

5/8/14   (Item 14 from file: 2)

7566244   INSPEC Abstract Number: C2003-04-4210-077
 Title: Ergo 6: a generic proof engine that uses Prolog proof technology
 Publication Date: 2002
 Document Type: Journal Paper (JP)
 Treatment: Theoretical (T)
 Descriptors: inference mechanisms; PROLOG; software engineering; theorem proving
 Identifiers: formal reasoning ; generic prover; Ergo 6; Qu-Prolog;
generic proof engines; interactive theorem prover; proof engine ; software

development
  Class Codes: C4210 (Formal logic); C6110L (Logic programming); C4240L (
Logic programming theory); C6110B (Software engineering techniques)
  Copyright 2003, IEE

5/8/15   (Item 15 from file: 2)
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7561890 INSPEC Abstract Number: A2003-08-8770G-020, B2003-04-7520-018,
C2003-04-7330-413
  Title: The use of consequential reasoning in cancer chemotherapy
  Publication Date: 2001
  Document Type: Conference Paper (PA)
  Treatment: Practical (P)
  Descriptors: cancer; decision support systems; inference mechanisms;
knowledge based systems; patient treatment
  Identifiers: consequential reasoning ; cancer chemotherapy; IKBS;
knowledge-based decision support systems; DSS; knowledge structure;
inference engine ; individualized drug therapy; genomics; chemotherapy
  Class Codes: A8770G (Patient care and treatment); B7520 (Patient care
and treatment); C7330 (Biology and medical computing); C7102 (Decision
support systems); C6170K (Knowledge engineering techniques)
  Copyright 2003, IEE

5/8/16   (Item 16 from file: 2)
DIALOG(R)File 2:(c) 2003 Institution of Electrical Engineers. All rts.
reserv.

7561616 INSPEC Abstract Number: C2003-04-7340-045
  Title: The use of a genetic algorithm in the calibration of estuary models
  Publication Date: 2002
  Document Type: Conference Paper (PA)
  Treatment: Practical (P)
  Descriptors: calibration; case-based reasoning ; environmental science
computing; genetic algorithms; geography; geophysics computing;
optimisation; rivers; search engines
  Identifiers: genetic algorithm; calibration; estuary models; artificial
intelligence; estuarine model design; case-based reasoning ; hydrodynamic
models; cost-effective; hydro-environmental problems; case-based search
engine ; parameter optimisation; one-dimensional hydrodynamic model; Wales;
numerical modelling scheme
  Class Codes: C7340 (Geophysics computing); C1180 (Optimisation
techniques); C6170K (Knowledge engineering techniques); C1230R (Reasoning

and inference in AI); C7840 (Geography and cartography computing)

5/8/17   (Item 17 from file: 2)

7540424 INSPEC Abstract Number: C2003-04-6170T-002
 Title: Learning hierarchical task models by defining and refining examples
 Publication Date: 2001
 Document Type: Conference Paper (PA)
 Treatment: Theoretical (T)
 Descriptors: knowledge acquisition; learning (artificial intelligence); model-based reasoning
 Identifiers: Task models; planning; intelligent tutoring; plan recognition; task model development; programming by demonstration; knowledge acquisition; machine learning
 Class Codes: C6170T (Knowledge engineering tools); C1230L (Learning in AI); C1230R (Reasoning and inference in AI)

5/8/18   (Item 18 from file: 2)

7535084 INSPEC Abstract Number: B2003-03-7620-024, C2003-03-7460-071
 Title: Anomaly detection and reasoning with embedded physical model
 Publication Date: 2002
 Medium: Also available on CD-ROM in PDF format
 Document Type: Conference Paper (PA)
 Treatment: Applications (A); Practical (P)
 Descriptors: aerospace expert systems; aerospace simulation; condition monitoring; fault location; inference mechanisms; rocket engines
 Identifiers: reasoning ; embedded physical model; onboard health management systems; complex flight articles; space vehicles; data-driven physical models; space flight rocket engine ; complex aero-thermal-mechanical system; model fidelity; low cost physical models; heuristic physical models; detection algorithms; Boeing Company; Scientific Monitoring; physics-based modeling framework; data-centric anomaly detection algorithms
 Class Codes: B7620 (Aerospace test facilities and simulation); B7640 (Aerospace propulsion); C7460 (Aerospace engineering computing); C6170K (Knowledge engineering techniques); C1230R (Reasoning and inference in AI)